



OceanTools

ADMS

Angle & Distance Measurement System

The **OceanTools ADMS** is a high precision angle measurement system that in combination with a wheel can be used to measure a distance to a high accuracy.

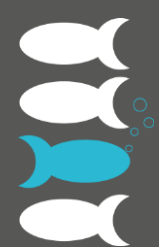


Overview

The **ADMS** Angle & Distance Measurement System consists of a high precision angular rotary encoder generating a serial output with 0.1 degree accuracy. Interchangeable wheel or lever components support distance measurement, with linear accuracy dependent on the size of the wheel. A spring loaded version of the design is available for improved traction.

Key Features

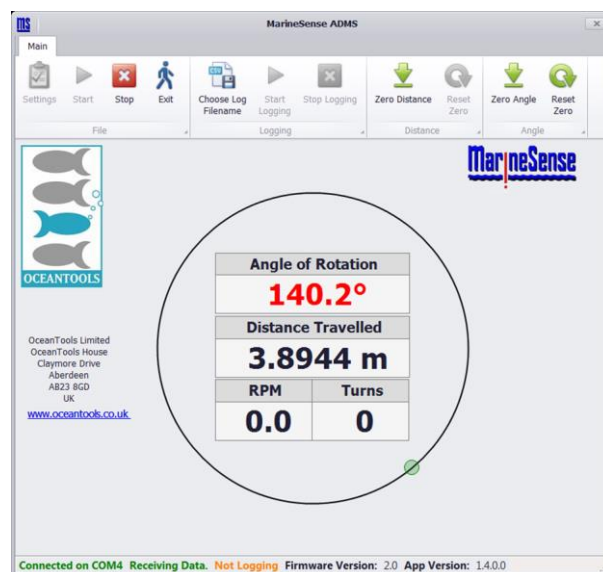
- Angular accuracy 0.1 degree
- Linear accuracy up to 0.1mm
- Free running angular data output at 9600 baud
- Interchangeable wheel or levers
- Spring loaded version available
- Display software with logging function



Display software with a simple graphical user interface shows the angle of rotation, distance travelled, rotation speed in RPM and a turns counter.

A user adjustable wheel size is used for distance measurements, and the zero position can be set for angle and distance. A logging function is included.

Specifications	
Angular accuracy	0.1°
Linear accuracy (wheel dependent)	Up to 0.1mm
Serial output	RS232 or RS485
Serial baud rate	9600
Standard connector	MCBH8M
Voltage input	12-24VDC
Maximum current	55mA @ 12VDC
Body diameter	94mm
Body length (excl connector)	140mm
Weight in air	2kg
Weight in water	1.3kg



ADMS display software

Related Products

The **ROVOR** Remotely Operated Vehicle Odometer employs the **ADMS** with a 300mm diameter spring loaded wheel to measure distances travelled by an ROV along a pipeline.